Akua

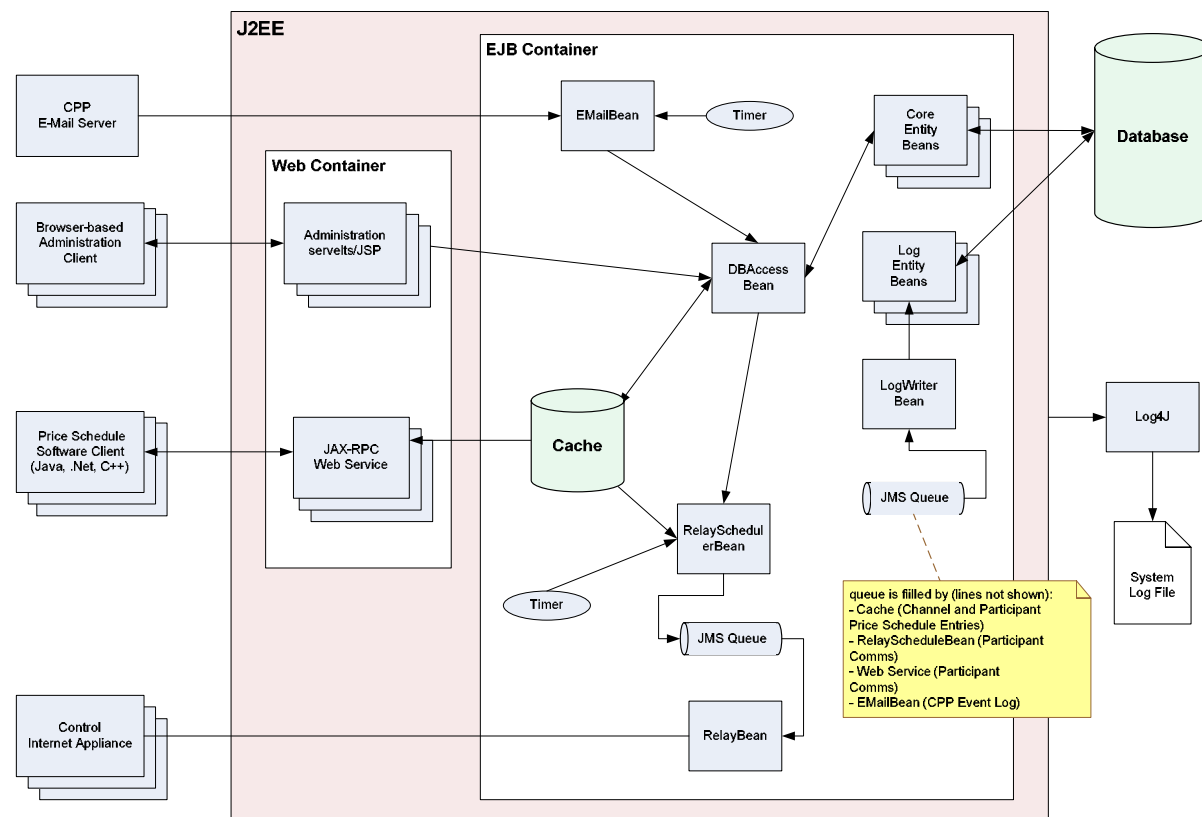## DRAS and CLIR Development

System Requirements and Design

◆ **Requirements**

- Flexible
- Reliable
- Available
- Scalable
- Secure

◆ **Design**

- Loosely Coupled System
  - Web Services
  - XML Price Schedules
- Open Standards
  - J2EE
  - SOAP
  - MODBUS/TCP
- Open Source
  - JBoss
  - MySQL

DRAS Design

CLIR
Requirements and Design

- ◆ Connect 6 dry contacts to the DRAS via the Internet

- ◆ Minimal IT involvement
    - ▪ Uses web service technology to avoid the need for firewall modifications at the installation site

- ◆ Secure
    - ▪ Communicates using SSL

Client & Logic With Integrated Relay (CLIR)